

Statement of Work for Alaska Earthquake Information Center

Site Maintenance:

The Alaska Earthquake Information Center of the University of Alaska Fairbanks will continue operation and maintenance during the fiscal years 2003/2004 for the CREST seismic stations installed by AEIC as part of the NTHMP:

AEIC is responsible for:

- Daily monitoring of the integrity of the seismic waveforms.
- Daily processing of the data for consistency checks.
- Site visits to at least ten sites this year.
- Maintenance of all cables, enclosures, and/or structures required for each site.
- Maintenance and improvements to reliable power to each field site.
- Maintaining continuous telemetry links from field sites to AEIC.
- Transportation costs and per diem.

Long Term Operation and Maintenance:

Subject to availability of funding and access to field equipment, AEIC is responsible for post-installation operation, maintenance, and reliability of:

- Computer systems.
- Seismic stations and associated field equipment.
- Telemetry from field site to AEIC.
- Archival of data.

Procurement:

AEIC is responsible for procurement of the following:

- One broadband sensor.
- One Kinimetrics FBA 23.
- One digital data logger.
- Communications equipment for transmitting 6 channels of continuous 24-bit, 50 sample/sec digital data between the one seismic station (above) and the central site at University of Alaska, Fairbanks.

Software:

Software modules used at AEIC for acquiring digital data from the data loggers, computation of seismological parameters, data archival, and exchange of data with other CREST participating organizations will adhere to agreed upon protocols and specifications.

Data Availability:

AEIC will make all data collected as part of the CREST project available without cost to other CREST participating organizations within agreed upon protocols and specifications.

BUDGET

Alaska Earthquake Information Center Seismic Station Upgrade and Installation

GI 01-113b

SENIOR SALARIES

PI R. Hansen	0 mos/yr	<div>Year 7 N/C</div>
(Includes 1.1% Leave Reserve)		

Subtotal SeniorsPROFESSIONAL SALARIES

1 Network Engineer	6 mos/yr	42,324
1 Staff Seismologist	2 mos/yr	11,188
1 Lab Technician	2 mos/yr	5,582
1 Data Analyst	6 mos/yr	21,234
(Includes 19.9% Leave Reserve)		

Subtotal APT80,328Total SalariesSTAFF BENEFITS

WORKERS COMP, MEDICAL, FICA, RETIREMENT, ETC.

27.0% Professional Salaries	<u>21,689</u>
<u>Total Staff Benefits</u>	<u>21,689</u>

TOTAL SALARIES & BENEFITS \$ 102,017TRAVELDomestic

2 RT Fbks/False Pass	\$850 /trip	1,700
6 Days Per Diem	\$213 /day	1,278
2 RT Fbks/Dutch Harbor	\$850 /trip	1,700
6 Days Per Diem	\$177 /day	1,062
2 RT Fbks/Juneau	\$600 /trip	1,200
10 Days Per Diem	\$174 /day	1,740
2 RT Fbks/Nome	\$650 /trip	1,300
6 Days Per Diem	\$153 /day	918
2 RT Fbks/Tin City	\$850 /trip	1,700
6 Days Per Diem	\$135 /day	810
2 RT Fbks/Gambell	\$1,000 /trip	2,000
6 Days Per Diem	\$135 /day	810
2 RT Fbks/Seattle	\$600 /trip	1,200
6 Days Per Diem	\$189 /day	1,134
2 RT Fbks/Anch/Palmer	\$225 /trip	450
4 Days Per Diem	\$226 /day	904
14 Days Auto Rental at Sites	\$50 /day	700
6 Days Per Diem (Valdez)	\$178 /day	1,068
6 Days Per Diem (Paxson)	\$135 /day	810
10 Days Per Diem (Granite Mountain)	\$135 /day	1,350
10 Days Per Diem (Atigun Pass)	\$135 /day	1,350

Total Domestic25,184**TOTAL TRAVEL**MATERIALS/SUPPLIES

1 Wind Generator	\$1,000	1,000
6 Solar Panels	\$400	2,400
2 Cisco Routers	\$1,300	2,600
2 Lanatronix MSS100	\$450	900

TOTAL MATERIAL/SUPPLIES \$ 6,900OTHER DIRECT COSTS

State Microwave Circuit: Div - Valdez		2,000
Seward Local Phone Line		800
20 hrs, Machine Shop Svc Ctr	\$53.00 /hr	1,060
320 hrs, Electronic Shop Svc Ctr	\$45.00 /hr	14,400
1400 miles, 2 RT Fbks/Valdez	\$0.65 /mi	910
1000 miles, 2 RT Fbks/Atigun Pass	\$0.65 /mi	650
500 miles, 2 RT Fbks/Dot Lake	\$0.65 /mi	325
7 Days, Helicopter Support	\$3,000 /day	21,000

TOTAL OTHER DIRECT COSTS \$ 41,149EQUIPMENT

1 Digitizer, Six Channel	8,500
1 Strong Motion Seismometer	3,000
1 Seismometer Broadband	10,000

TOTAL EQUIPMENT \$ 21,500**TOTAL DIRECT COSTS \$ 196,750**FACILITIES & ADMINISTRATIVE COSTS

F&A Exempt - Tuition	
- Equipment	(21,500)
- Helicopter Contract	(21,000)
MTDC base =	154,246
47.1%	<u>72,650</u>

TOTAL BUDGET \$ 269,400